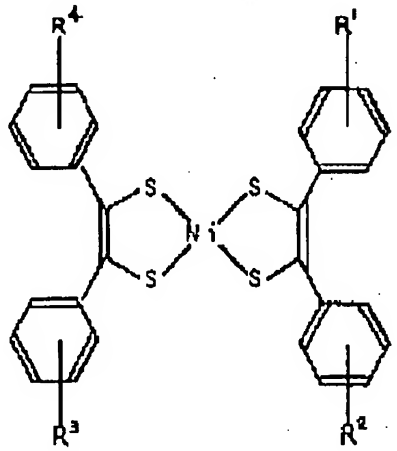
99-148685/13 A89 E23 G06 L03 **MITR 97.06.23**
MITSUBISHI RAYON CO LTD *JP 11012425-A
97.06.23 97JP-165923 *(99.01.19)* C08L 33/00, C08K 5/36, C09K 3/00, G02B 5/22, H01J 11/02, F21V 9/04, C08K 5/56 // C08J 5/00

Optical filter for plasma display.

C99-044043

Optical filter(I) for plasma display comprising (A) and (B) is claimed. (A): acrylic resin film(s) or sheet(s) (B): nickel complex(es) of formula (I):



(I)

A(4-F1A, 12-L3D) E(5-L2C) G(6-A3, 6-A11, 6-F4, 6-F5) L(3-G5)

R1-R4= H or methoxy independently.

Also claimed, are:
(1) an optical filter(II) for plasma display comprising (I) and one of electrically conductive layer, antistatic layer or reflection insulating layer; and
(2) an optical filter(III) for plasma display comprising (I) or (II) and glass plate or plastic plate(s) to support (I) or (II).

ADVANTAGE

(I) absorbs near infrared ray selectively. Using (I), (II) or (III), clear image of plasma display is obtained, errors of electrical and electronic instruments can be avoided by using (I), (II) or (III).

EMBODIMENT

(A) is film(s) or sheet(s) of methyl methacrylate homopolymer plate or methyl methacrylate copolymer. Polymer(s) corresponding to (A) and (B) are blended to become (B) content in (I) to 0.07-1.07

g/m^2, the mixt. moulded to film(s) or sheet(s) to obtain (I). One of electrically conductive layer(e.g. silver thin layer and/or ITO thin layer), antistatic layer(e.g. surface active agent layer) or reflection insulating layer(e.g. silica layer, titania layer etc) is formed on (I) surface to obtain (II). (I) or (II) is formed on glass or plastic plate(s) to obtain (III).

EMBODIMENT

(B1), cpd. R1-R4= p-methoxy in formula (1), was added to Acrypet VH(RTM), the mixt. was moulded to film containing (B1) 0.39 g/m^2 to obtain (I). (I) showed transmittance 15 % at 920 nm, 68 % at 450-680 nm region.

(KR)

(4pp129DwgNo.0/0)